

PATROLLINE

ELECTRONIC ADVANCE.



HPS 841 GSM

USING INSTRUCTION

FROM 15.07.2010

NEW GENERATION CAN-BUS
Car alarm-Antitheft system,
integrated GSM pager

Operation

ALARM SYSTEM ARMING

Push the closing button of the default remote control. The activation will be confirmed by the followings:

- Blinker flashing based on the closing features of the vehicle
- 1 beep (if it is programmed)
- The LED on the dashboard switches ON
- Activation of electric engine immobilizer (if installed)
- The module outputs switch ON (ultrasonic sensor, hyperfrequency etc.)
- The CDL closes the doors



ALARM SYSTEM DISARMING

Push the opening button of the default remote control. The deactivation will be confirmed by the followings:

- 2 beep (if it is programmed)
- The LED on the dashboard switches OFF
- Deactivation of electric engine immobilizer (if installed)
- The module outputs switch OFF (ultrasonic sensor, hyperfrequency etc.)
- The CDL opens 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! In those cars, in which there isn't automatic CDL closing back function, ask the installer, that program the automatic re-inhibition function of the alarm! If it is programmed, the automatic re-inhibition function of the alarm will operate, but only the alarm switches ON, the CDL doesn't close!

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 without disarming, press the CLOSING button of the remote control

To stop the alarm and disarming, press the OPENING button of the remote control.

Panic facility

After the inhibition time, if you press the CLOSING button of the remote control, the alarm will trigger till 30 seconds (beep/acoustic signal). **Warning! You have to activate the panic function to operate it.** Ask the help of the installer to the activation!

Alarm status

If armed alarm is disconnected from its connector, after the reconnection it stays in armed status, protected the car further.

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 defaulty. 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.

Antiagression 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 defaulty. 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!

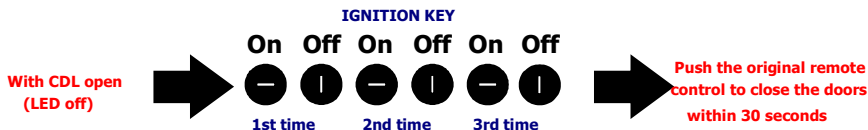
Exclusion of Siren

Through the ignition key it is possible to exclude the function of the horn or the siren.

With disarmed alarm (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.

By this time, 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 system 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.



Memory of Alarm

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.

N. flashings of the LED	CAUSE
1	DOORS OPENING (WITH CAN-BUS SIGNALLING)
2	DRIVER' SIDE DOOR OPENING WITH MECHANICAL KEY (WITH CAN-BUS SIGNALLING)
3	BONNET OPENING (WITH CAN-BUS SIGNALLING)
4	TRUCK (WITH CAN-BUS SIGNALLING)
5	IGNITION PROTECTION
6	SHOCK SENSOR
7	ULTRASONIC SENSOR
8	EXTRA SENSORS OF ALARM (BLUE WIRE INPUT)
9	EXTRA SENSORS OF ALARM (BLUE/RED WIRE INPUT)
10	EXTRA SENSORS OF ALARM (GREEN/BLACK WIRE INPUT)
11	TRIGGERING OF DEFAULT ALARM
12	SHORT TRIGGERING OF OPTIONAL SHOCK SENSOR
13	TOTAL TRIGGERING OF OPTIONAL SHOCK SENSOR

Safety function

Door protection	Door, trunk and bonnet open sense
Engine block	Prevent the start of the motor of the door
Shock sensor	Sense the broke of the door's window
Ignition protection	Sense the ignition of the car
Ultrasonic	Option! Sense the moving in the passenger compartment
Anti hi-jack	Block the engine, if somebody wants to steal the car for ignition key ON case
Antiaggression	Block the engine, if somebody wants to steal the car for car starting with its own key

Ultrasonic / Hyperfrequency exclusion

This function is necessary, if you want to leave the dogs or cats in the car without the triggering of the alarm. In the active state of the function, the other senses of the alarm operate. After locking, during inhibition 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.

PIN code

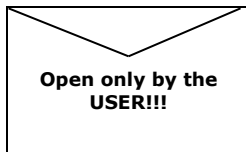
The PIN code is for that the user can switch OFF the alarm, if the remote control or the alarm get wrong or the battery discharged.

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

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

In all boxes of the alarms can be found an envelop, which contains a secret PIN code. Only the user can open this envelop. All alarms have 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 in connction of the PIN code, please look for only your importeur!



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 switched ON status.

Dependent on equipment of the cars, it can be necessary to change the PIN code emergency switch 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 switch OFF operating mode instead of the default setting of the PIN code emergency switch 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 switch OFF with ignition key (it is the default setting of the alarm)

The code is a 3-figures number (from firm is: **1-2-3**) and must be composed with the ignition key of the vehicle by following this procedure:

With armed alarm, open the driver side door with mechanical key. The alarm starts trigger, by this time turn ON the ignition key, then turn OFF the ignition key as many time as the first digit of the PIN code. During turn ON the ignition key the LED switches 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 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 the procedure was successful, the alarm switches OFF. If the procedure was unsuccessful, the alarm stays in inhibition status, and triggers, by this time you have to restart the PIN code emergency switch OFF procedure from first digit giving of the PIN code.

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

With armed alarm, open the driver side door with mechanical key. The alarm starts trigger, by this time turn ON the ignition key, then push/draw the brake pedal/hand brake as many time as the 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 switch OFF not in every cars!) During push/draw of the brake pedal/hand brake the LED switches ON, after the first digit, you have to wait to switch OFF the LED.

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

After the LED switching OFF you have to 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 inhibition status, and triggers, by this time you have to restart the PIN code emergency switch OFF procedure from first digit giving of the PIN code.

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

With armed alarm, open the driver side door with mechanical key. The alarm starts trigger, by this time turn ON the ignition key, then the transponder identifies the default key, and through the CAN-BUS network, the alarm switches OFF 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 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.

To modify the PIN code, do the following procedure with the ignition key of the vehicle:

In disarmed alarm case, turn ON and OFF the ignition key as many 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 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!

Valet function

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

Usage of the valet function has, independently from programming of the alarm, 2 types operating opportunities, which are the followings:

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

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

Activation of the valet function:	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 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!	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!

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

2. Usage of valet function with ignition key (it is the default setting of the alarm, this function operates in that case too, if the PIN code emergency switch OFF function is program for 3. operating opportunity, the PIN code emergency switch OFF on ignition key ON, automatically operation):

Activation of the Valet function: In disarmed alarm case, 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 that 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. The LED flashes some times, signed the switching ON of the valet function.	Deactivation of the Valet function: 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 that 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 valet function will be in switched OFF status.
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To remind that the Valet function is active the LED on the dashboard will flash twice at any time one turns on the ignition key.

3. Usage of valet function with brake pedal/hand brake (this function operates, if the PIN code emergency switch OFF function is program for the 2. operating opportunity, the PIN code emergency switch OFF with usage of brake pedal/hand brake operation):

Activation of the Valet function: In disarmed alarm case, turn ON the ignition key, and push/draw the brake pedal/hand brake as many time as the 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 switches ON, after the first digit, you have to wait to switch OFF the LED. After that immediately you have to push/draw the brake pedal/hand brake as many time as the second digit.	Deactivation of the Valet function: Turn ON the ignition key, and push/draw the brake pedal/hand brake as many time as the first digit of the PIN code. During push/draw of the brake pedal/hand brake the LED switches ON, after the first digit, you have to wait to switch OFF the LED. After that immediately you have to push/draw the brake pedal/hand brake as many time as the second digit. After the LED switching OFF you have to push/draw the brake pedal/hand brake as many time as the third digit. After that the valet
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After the LED switching OFF you have to push/draw the brake pedal/hand brake as many time as the third digit.
The LED flashes some times, signed the switching ON of the valet function.

function will be in switched OFF status.

To remind that the Valet function is active the LED on the dashboard will flash twice at any time one turns 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)!

Operation of GSM PAGER

During using of HPS 841 GSM PAGER, you can ask, get message for your telephone about the extant triggerings, switched ON / OFF status of the alarm, opened status of the vehicle CDL, or door, flat of the vehicle battery with calling and/or SMS.

Warning signals for triggering

The system can warn the vehicle owner on 3 ways for triggering, (or the person, whose telephone number is saved in the alarm):

1. The system warns with calling for triggering (maximum 3 clinks, or till 10 seconds). If the called person refuses the calling, the warning procedure breaks, and the arrived calling hasn't any cost! The device acquits reaching into aim of the triggering warning with refusing of the calling, so it doesn't send SMS message.
2. If the called person accepts the calling, the system cuts off the telephone line, and sends a warning SMS, which contains the triggering cause too! Warning! In this case the warning has calling and SMS sending cost!
3. If the called person doesn't accept the calling (he doesn't lift the receiver during maximum 3 clinks or 10 seconds time), the system cuts off the telephone calling, and sends a warning SMS, which contains the triggering cause too! Warning! In this case the warning has calling and SMS sending cost!

Information about armed or disarmed status of the alarm

The system sends notice in SMS about armed or disarmed status of the alarm, if we ask it with the SMS sent for the alarm. After sending we get reply SMS immediately, which contains the information about armed or disarmed status of the alarm.

Warning signal about opening of CDL

The system sends warning in SMS about opening of the CDL, if we switch ON this function with sending of a programming SMS in the alarm. If we programmed this function, the alarm in all case, when the CDL opens, sends SMS. Warning! The system sends SMS, if the CDL, door, doors are opened with the default remote control, mechanical key, inside the car with hand, or breaking open! In all case the warning has SMS sending cost!

Warning signal about flat of battery

The system sends warning in SMS, if voltage of the vehicle battery decrease under 11V through at least 3 minutes. As the system sends warning SMS in only that time case, which longer than 3 minutes, therefore it doesn't send notice about decreased battery voltage at starting of the vehicle! This functions is programmed defaulty.

Programming of GSM PAGER

The HPS 841 GSM PAGER is programmable with SMS. Firstly you have to program the telephone number with SMS, for which you would like to get the calling and SMS warnings.

The following table contains which SMS commands, information asking are sendable for the alarm, and for them which answers, information arrive:

Warning! In the SMS commands you have to leave always space after the 1234 (or the modified) password!

FUNCTION INSTRUCTION	CONTENT OF SENDED SMS	CONTENT OF ANSWER SMS	NOTE
Telephone number 1 saving, modification in the alarm memory.	1234 A1(PHONE NUMBER)	TELEPHONE NUMBER IS MEMORIZED	YOU HAVE TO SEND THE PHONE NUMBER WITH THE INTERNATIONAL PREFIX! AFTER SAVING, THE ALARM WILL SEND WARNING FOR THESE TELEPHONE NUMBERS.
Telephone number 2 saving, modification in the alarm memory.	1234 A2(PHONE NUMBER)	TELEPHONE NUMBER IS MEMORIZED	YOU HAVE TO SEND THE PHONE NUMBER WITH THE INTERNATIONAL PREFIX! AFTER SAVING, THE ALARM WILL SEND WARNING FOR THESE TELEPHONE NUMBERS.
Password modification.	1234 W(NEW PASSWORD)	NEW PASSWORD	THE PASSWORD ALWAYS CAN BE 4 CHARACTERS! IF YOU MODIFY THE PASSWORD, FROM THAT TIME ALWAYS, YOU HAVE TO USE THE NEW PASSWORD IN THE SMS COMMANDS INSTEAD OF 1234 DEFAULT PASSWORD!
Request of armed or disarmed status of the alarm.	1234 I	ALARM ARMED ALARM DISARMED	YOU GET IN ANSWER SMS, THAT THE ALARM IS ARMED OR DISARMED STATUS.

Armed of SMS warning function about the CDL, or the door(s) opening.	1234 D1	STATUS INFORMATION ARMED	IN EVERY CASES, IF THE CDL, OR SOME DOORS IS OPENED, YOU GET AN SMS WITH THE FOLLOWING TEXT: CDL OPENED.
Disarmed of SMS warning function about the CDL, or the door(s) opening.	1234 D0	STATUS INFORMATION DISARMED	BY THIS TIME THE SMS WARNING IS DISARMED ABOUT THE CDL, OR THE DOOR(s) OPENING.
Engine block and horn / siren activation	YOU CAN ASK THE NECESSARY CODE FROM THE INSTALLER AGAINST WRITTEN DECLARATION	ENGINE BLOCKED	THE ENGINE WILL BLOCK IMMEDIATELY AND THE HORN / SIREN SWITCH ON FOR 30 SEC.
Engine block disable, horn / siren disarmed	YOU CAN ASK THE NECESSARY CODE FROM THE INSTALLER AGAINST WRITTEN DECLARATION	ENGINE BLOCK DISABLED	THE ENGINE BLOCK WILL DISABLED

SMS-s sent by GSM PAGER által

The HPS 841 GSM PAGER sends warnings with SMS too. The following table contains, what the warning SMS contains and it is in which case: The following table contains the English translation.

CONTENT OF GOTTEN SMS	NOTE
Telephone number 1 is memorized	WITH SMS SENDING YOU MODIFIED THE FIRST PHONE NUMBER SAVED IN THE ALARM MEMORY, FOR WHICH THE SYSTEM SENDS WARNINGS WITH CALLING, WITH SMS.
Telephone number 2 is memorized	WITH SMS SENDING YOU MODIFIED THE SECOND PHONE NUMBER SAVED IN THE ALARM MEMORY, FOR WHICH THE SYSTEM SENDS WARNINGS WITH CALLING, WITH SMS.
New password =	WITH SMS SENDING YOU MODIFIED THE ALARM PASSWORD, WHAT YOU HAVE TO USE IN THE SMS COMMANDS.
ALARM by shock	THE ALARM TRIGGERS BECAUSE OF SHOCK OR STRONGE VIBRANCY.
ALARM by key	THE ALARM TRIGGERS, BECAUSE OPENED THE CAR CENTRAL DOOR LOCKING WITH MECHANICAL KEY.
ALARM by ultrasonic	THE ALARM TRIGGERS, BECAUSE THE ULTRASONIC INTERIOR PROTECTION SENSED MOVING.
ALARM by door	THE ALARM TRIGGERS, BECAUSE OPENED SOME DOORS OR TRUCK OF THE CAR.
ALARM by bonnet	THE ALARM TRIGGERS, BECAUSE OPENED THE BONNET OF THE CAR.
ALARM by aux sensor	THE ALARM TRIGGERS, BECAUSE THE CONNECTED ADDITIONAL MODULE (FOR EXAMPLE: LIFTING SENSOR, RADAR) SENSED TRIGGERING CAUSE.

Low battery	THE BATTERY VOLTAGE OF THE VEHICLE FALLED UNDER 11 v FOR TIME MORE THAN 3 MINUTES.
Info enabled	WITH SMS SENDING YOU SWITCHED ON THE SMS WARNING FUNCTION ABOUT OPENING OF THE CENTRAL DOOR LOCKING OR THE DOOR(s).
Info disabled	WITH SMS SENDING YOU SWITCHED OFF THE SMS WARNING FUNCTION ABOUT OPENING OF THE CENTRAL DOOR LOCKING OR THE DOOR(s).
Car opened	AFTER THAT WITH SMS SENDING YOU SWITCHED ON THE SMS WARNING FUNCTION ABOUT OPENING OF THE CENTRAL DOOR LOCKING OR THE DOOR(s), THE SYSTEM SENDS THIS MESSAGE FOR EVERY CENTRAL DOOR LOCKING OR DOOR OPENING.
Engine blocked	ENGINE OF THE VEHICLE IS BLOCKED, AND THE HORN / SIREN WILL BE ON FOR 30 SEC. THE ENGINE BLOCK IS ACTIVE FOR 105 MINUTES, THEN IT AUTOMATICALLY DISABLED.
Engine block disabled	THE BLOCKED ENGINE AND SIREN TRIGGERING WILL SWITCH OFF / DISABLED.

Alarm maintenance

The alarms of our range are based on a very high technology and are characterized by an extreme reliability. Using some shrewdness it is possible make them living longer and working better:

VEHICLE WASHING: in case the vehicle has to be washed with some high pressure devices (hydro-jet or similar), it is necessary to protect the alarm before starting the washing procedure. In case of infiltrations of water caused by using the hydro-jet, the warranty will be automatically annulled.

GENERAL MAINTENANCE: all the repairing operations to the alarm must be done by PATROL LINE centres; tampering by non authorized staff can compromise the reliability of the device and the safety when the vehicle is going.

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.

It is necessary to fill in right the guarantee located in the box in order to use the guarantee of the device.

The following certification number has to be on the device, that it harmonizes with the conformity.

E24 116R A-000018

Note:



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