



USER MANUAL

HPS 840 PTL (H)

CANBUS
CAR ALARM

Working

ALARM SYSTEM ARMING

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

- Blinker flashings based on the lock features of the vehicle
- 2 beeps (if it is programmed)
- Switching on of the LED on the dashboard (fixed light for 5 seconds).
- Activation of electric engine immobilization. (if it is connected)
- Activation of modules output (windows lifter, ultrasonic sensors, etc.).
- The CDL close the doors



ALARM SYSTEM DISARMING

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

- 1 beep (if it is programmed)
- Switching off of the LED on the dashboard.
- Deactivation of electric engine immobilization.
- Deactivation of modules output (windows lifter, ultrasonic sensors, etc.).
- The CDL open the doors

Neutral Time and Status of Alert

Once the signalling of arming is over, the alarm will stay for 5 seconds into "neutral time" condition, signalled by the fixed light of the LED. After 5 seconds, another flashing of the blinkers and 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 a sound of the siren (if installed) for 30 seconds repeated.

To stop the alarm signalling, push the OPENING button of the remote control.

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 seconds, push the original remote control to close the CDL of the vehicle.

From this moment, the central unit will signal the attempt to brake 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.



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 |
|--------------------------------|---|
| 2 | SIREN TRUNK BUTTON (IF INSTALLED) |
| 3 | ULTRASONIC SENSOR ALARM (INPUT BLUE/RED WIRE) |
| 4 | SHOCK SENSOR |
| 5 | DOORS OPENING (SIGNALLED BY CAN-BUS) |
| 6 | BONNET OPENING (SIGNALLED BY CAN-BUS) |
| 7 | EXTRA SENSORS ALARM (INPUT BLUE WIRE) |
| 8 | IGNITION PROTECTION |

Safety function

| | |
|---------------------|--|
| Door protection | Door, trunk and bonnet open sense |
| Motor blokk | 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 | Optional! Sense the moving in the passenger compartment. |

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.

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 conncection of the PIN code, please look for only your importeur!

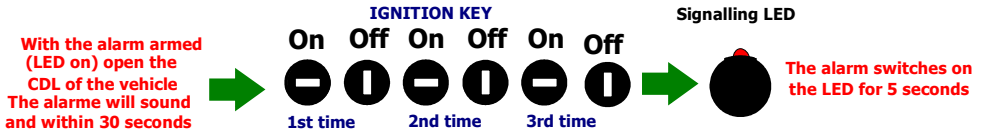


The code is a 3-figures number (from firm is: **1-2-3**) and must be composed with the ignition key of the vehicle by following this procedure:

With the alarm armed, open the driver's door with key. The alarm will trigger.

1. Within 30 seconds after opening the door, turn on and off the ignition key of the vehicle for 3 times.

If the operation is correct, the LED of the dashboard switches on for 5 seconds.



2. When the LED switches ON (5 seconds), turn on the ignition key of the vehicle. The LED of the dashboard starts flashing.

3. Count the flashings of the LED. After the first flashing, turn off the ignition key (first figure "1" of the firm code).

The LED switches on for 5 seconds.



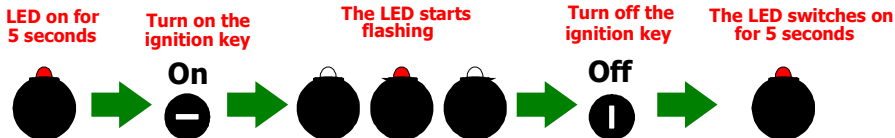
First figure: 1

4. Before the LED switches off (5 seconds), turn on again the ignition key.

The LED of the dashboard starts flashing.

5. Count the flashings of the LED. After the second flashing, turn off the ignition key (second figure "2" of the firm code).

The LED switches on again for 5 seconds.



Second figure: 2

6. Before the LED switches off (5 seconds), turn on again the ignition key.

The LED of the dashboard starts flashing.

7. Count the flashings of the LED. After the third flashing, turn off the ignition key (third figure of the firm code).

The LED switches on again for 5 seconds.



Third figure: 3

At the end of the third figure, if the code is correct the alarm disarm and the led start flashing.

During this phase (LED flashing) it is not possible to arm the alarm through the remote control of the vehicle.

To enable again the normal working of the alarm, while the LED is flashing, turn on and off the ignition key of the vehicle for 3 times.



If the operation is correct, after the third figure, the LED will stop flashing. From this moment, the alarm will start its normal working.

Changing the Unlocking Code

This operation permits to customize the emergency code – from 1-2-3 to 2-1-2 to the one wanted – by following this procedure:

Through the ignition key, compose the **old pin code** as described in the previous paragraph.



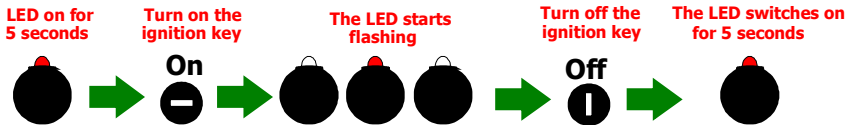
To change the PIN code follow the next procedure:

1. With the alarm armed, turn on the ignition key 3 times, then turn off the ignition key. The LED switches on fixed for 5 seconds.
2. When the LED switches on (5 seconds), turn on the ignition key. The LED starts flashing.
3. Count the flashings of the LED. After the first flashing turn off the ignition key (the first figure of the PID code is "1").
The LED switches on fixed for 5 seconds.



First figure: 1

4. Before the LED switches off (5 seconds), turn on the ignition key. The LED starts flashing. Once reached the flashings of the LED corresponding to the figure that must be memorized, turn off the ignition key.
- If the operation is correct, after the third figure the alarm switches on the LED for 10 seconds confirming that the new PIN CODE has been memorized and replaced the previous one.
5. Count the flashings of the LED. After the second flashing turn off the ignition key (the second figure of the PIN code is "2").



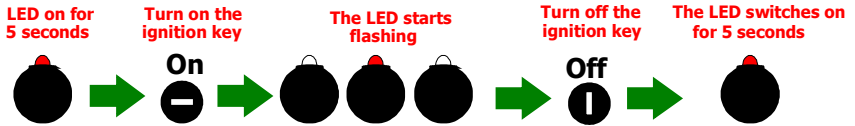
Second figure: 2

6. Before the LED switching OFF (5 seconds) turn on the ignition key. The LED starts flashing.
7. Count the flashings of the LED. After the third flashing turn off the ignition key (the third figure of the PIN code is "3"). The LED switches on fixed for 5 seconds.



Third figure: 3

8. When the LED switches on (5 seconds), turn on the ignition key. The LED starts flashing.
9. Count the flashings of the LED. After the second flashing turn off the ignition key (the first figure of the new PIN code is "2"). The LED switches on for 5 seconds.



First figure: 2

- Before the LED switches off (5 seconds), turn on the ignition key. The LED starts flashing.
- Count the flashings of the LED. After the first flashing turn off the ignition key (the second figure of the new PIN code is "1"). The LED switches on for 5 seconds.



Second figure: 1

- Before the LED switches off (5 seconds) turn on the ignition key. The LED starts flashing.
- Count the flashings of the LED. After the second flashing turn off the ignition key (the third figure of the new PIN code is "2"). If the procedure is correct, the LED switches on for 10 seconds.



Third figure: 2

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.

Note:



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