

Patroline HPS 930

Made for Bikers



PIN to PIN

User Manual

Thank you for choosing one of our product

This HPS 930 alarm system can be installed for the protection of motorcycle, scooter or moped

Foreword...

The HPS 930 is an alarm for scooters and motorcycles, it's suitable for the vehicle with the **original immobilizer system**. It's a device completely automatic and it's widely programmable to adapt to many different needs. This innovative device doesn't need the remote control, but it uses the original key for its operations.

Operating...

The alarm HPS 930 can be managed in two different ways:

- **WAY 1:** activation when you turn OFF the ignition key;

To avoid the automatic activation (for example: during the supply) it's necessary, once the ignition key is turned off, to turn ON and turn OFF again.

- **WAY 2:** when you turn the ignition key OFF, the alarm is not activated. To activate it, it's necessary to turn the ignition key ON and OFF again.

When the system is activated, during the neutral time, the shock sensor is at maximum sensibility, so it can feel all the movements and extend the neutral time. With this method the user can make all the routine manoeuvres, for example, parking the vehicle or place the object into the compartment (under the seat, in the little trunk, etc.); after 15 seconds without any shocks, the device stops the neutral time, and it is ready to operate. However, the neutral time is limited to 40 seconds maximum.

During the neutral time, the LED is fixed ON, and it signals with a little flash when it feels a shock and extends the neutral time. When it's activated the LED flash and the shock sensibility return to its set level.

Trigger...

In case of vehicle breaking, the system intervenes with an acoustic and optical signalization (flash lamp and siren sound) that lasts 30 seconds. To stop the signalization, it's necessary to turn on the vehicle key.

Acoustic limitations for consecutive triggers...

During the alert state, if the alarm sensors notices it for 3 consecutive times because of alarm, at the fourth cause of alarm the central unit will exclude the siren signalling the alarm state only with the flashing of the indicator lights.

Warning: in case the ignition key is turned on the siren sound is restored.

Alarm memory...

If the central unit records one or more causes of alarm, they are signalled when disarming by a further flashing of the indicator lights and by a number of "beeps" equal to the happened alarms (max 7 signalling).

Battery backup...

HPS 930 is equipped with buffer batteries that guarantee its operation also in the case the cable that connects the battery to the electric plant of the vehicle is cut. The battery backup is automatically armed when the black connector of the alarm wiring is connected.

Conformity Declaration

This product is according to the **European Directive 95/56/CE**, this speak about the alarm system operating and satisfy all parameters requested for the electromagnetic compatibility.

The installation certificate i twill be complained in each parts and i twill be necessary like the vehicle documents.



POWER SUPPLY	11V ÷ 15V
ALARM ARMED ABSORPTION	< 0.03 mA
INDICATOR LIGHTS RELAYS MAX CURRENT	5+5A
NEUTRAL TIME	< 5 sec.
ALARM CYCLE TIMING	< 30 sec.
SOUND POWER	113 dBA
OPERATING TEMPERATURE	-40°C / +85°C
WATERPROOF	IP 64
BATTERY BACKUP	NI-MH
DIMENSIONS	90 x 58 x 24
WEIGHT	113 gr.

To set the HPS 930 functions, it's necessary turn ON and OFF the key as many times as the value of the desired function. (look at the tabel following).

It's possible to set the function when the alarm is disarmed.

<i>Function</i>	<i>Function ON</i>	<i>Function OFF</i>	<i>Default</i>
Activation way	5 key ON Way 1 ON	6 key ON MODO2 ON	Way 1
Arming and disarming Acoustic signals	7 key ON = ON	8 Key ON = OFF	ON
Indicator lights ON Acoustic signals	9 key ON = ON	10 key ON = OFF	OFF
Hazard	11 key ON = ON	12 key ON = OFF	OFF
Supplementary output (BROWN/BLACK wire)	14 key ON TRIGGER signal	15 key ON ALARM armed	TRIGGER signal
Alarm cycle limitations	16 key ON 3 is the limit	17 key ON NO limits	3 is the limits for each cause of alarm
State memory	22 key ON = ON	23 key ON = OFF	ON
LED immobilizer reading exclusion	21 key ON = Excluding		Excluding
Shock sensor adjustement	13 (look at the shock sensor paragraph)		
LED immobilizer monitor	19 (look at the LED immobilizer paragraph)		
Default restore	20		

1. Managing Modality

This function permits the passage from WAY 1 to WAY 2 and back.

If WAY 1 is programmed, when you turn OFF the ignition the alarm is activated. If you want that the alarm will not be activated, it's necessary, to turn off the ignition key once again and to turn ON and OFF the key.

If WAY 2 is programmed, when you turn OFF the ignition key the alarm is not activated. If you want that the alarm will be activated, it's necessary, once the ignition key is turned OFF, to turn ON and OFF the key again.

2. Acoustic signals of arming and disarming

Arming and disarming the alarm, the system signals the events with the blinkers flash and an acoustic signal.

Arming and disarming the alarm, the system signals the events with only the blinkers flash.

3. Acoustic signalling of inserted indicator light

Using the vehicle, it can happen to forget an indicator light inserted. In this case, after 32 flashes of the indicator light (right or left indifferently), the alarm will signal this forgetfulness to the driver with a brief acoustic signal for every blinker flash.

4. Hazard signalling

By activating this function, it is possible to signal the standstill of the vehicle by the indicator lights. With the function activated, turn the ignition key in position ON and make the indicator lights flashing once. The central unit will make the indicator lights flashing for an indefinite time. It is possible to interrupt the signalling by turning ON an indicator light. The exclusion of this function is signalled by a beep.

5. Additional output

The system has an additional alarm output, it's activated only in case of alarm.

It's possible to convert the output to modules command, it's turned ON when the system is inserted and turned OFF when the system is disarmed.

6. Acoustic limitation for alarms

The system, after 3 consecutive alarms, disarms the acoustic signalization of the alarm. If it seems appropriated, it's possible to cancel this limitation and have, for every alarm, the acoustic signalization.

7. State memory

If during the alarm, the system is disarmed trough the mechanical key or the power supply is removed, when you restore the alarm, it will "remember" the previous state, in this way it can prevent every attempt to tamper.

8. Shock sensor adjustment

The HPS 430 has an internal shock sensor that is just adjusted in factory. However, it is possible to change the sensibility to adapt in the best way with the vehicle features, following this procedure:

- Turn ON and turn OFF the ignition key 13 times – The blinkers turn ON
- Turn ON and turn OFF the ignition key many times as the number that corresponds to the level of sensibility that you want (from 1 minimum to 15 maximum)
- every ignition key turned ON is signalled from a beep
- when you turn OFF the ignition key, you can test the shock sensor sensibility level, during the adjustment, if the alarm feels the shock it will turn ON the blinkers and take a beep.
- after 7 seconds from the last test, the system will record the new level.

The sensibility, during this passage, can be only decreased. If you want to increase the sensibility, you must remake the procedure by inserting a lowest level.

The shock sensor can be excluded making the level with a number higher than 15; the shock sensor exclusion is signalled from an acoustic signal also when you turn OFF the ignition key.

When you have the turn key ON, the procedure exit will be without modify the previous level (abort). The procedure exit is signalled with the led turn OFF.

9. Backup

If you turn ON and OFF the ignition key 20 times, it will restore the original level and regulation.

Installer manual

Qualified and technician person have to made the installation of this device according to current legislation. This manual is like an official document of the vehicle, it must be preserved for the future references.

General warnings

The installer have to fill in the attached installation certificate. The omologation number of the alarm is written on the instruction manual of the product or in the label applied on the alarm plastic box. Every next modifies on the device or on the device connections will void the warranty.

Suggestion for the installer ...

Central Unit Position:

Locate in the vehicle a good place to install the central unit. This location must protect the device from water but must also allow a good sound of the siren. Once the installation is over, shut with the wrapper the protecting rubber cover of the alarm.

Electric Connections:

They must be perfectly performed, otherwise they will provoke, in time, problems to the alarm and the vehicle working.

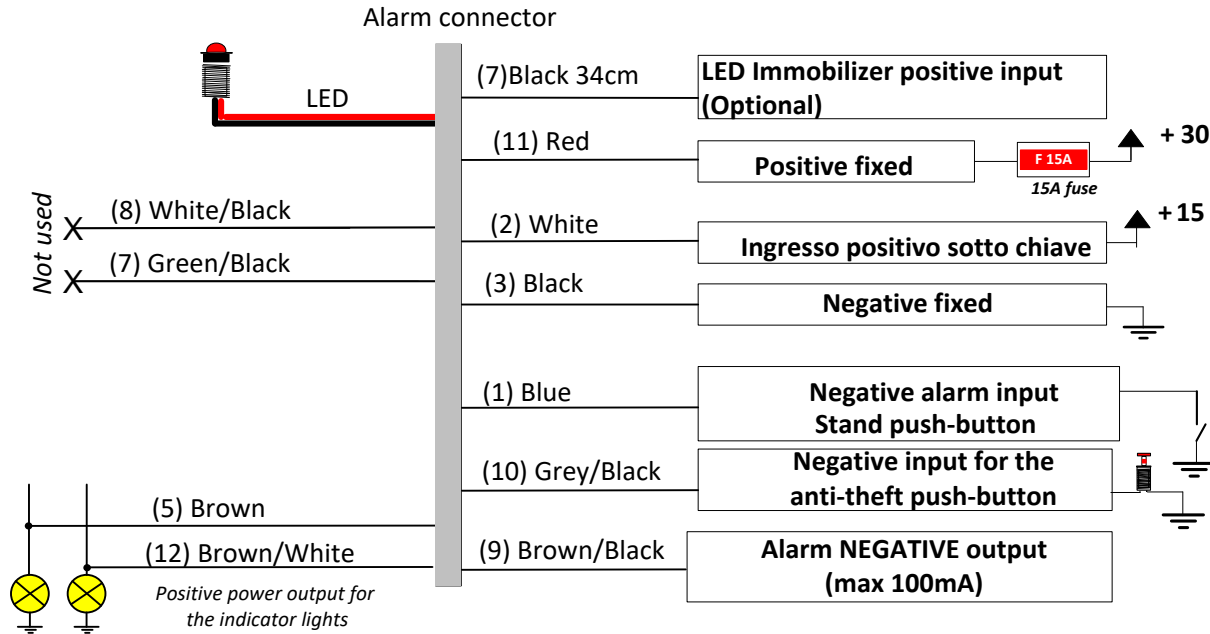
Fixing of the wiring to the alarm:

Connect the plastic part of the wiring to the alarm and close with screws the supplied. Before the closing verify the presence of the o-ring rubber on the plastic part of the wiring.

Device Maintenance:

The installer, when delivering the vehicle, must advise his customer that, if he wants to wash it with high-pressure devices (hydro beam or similar), it is necessary to protect the alarm before beginning the washing. In case of water's infiltrations caused by use of hydro beam, the guarantee will lapse.

A progressive diminution of the transmission range, means that the remote-control battery is unloading. Replace the battery immediately will avoid to have the alarm inserted and the remote control unusable.



STANDARD arming and disarming...

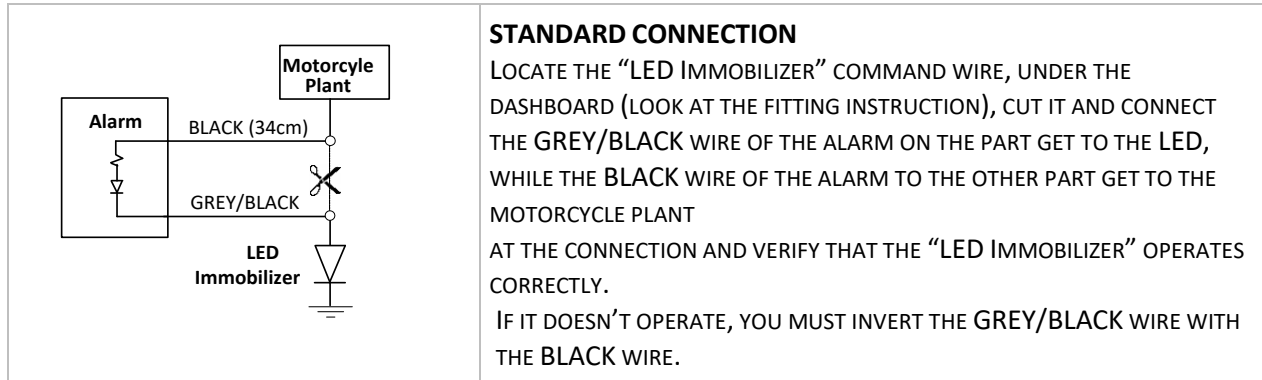
The system is armed and disarmed through the positive under key (+15) reading.

This function can guarantee a good level of safety, because the original vehicle key is used to turn ON the engine.

It's possible to increase the safety level connecting the alarm and memorize the sequence of the original LED Immobilizer (where there is).

Safety arming and disarming...

INTRODUCTION: Many of motorcycle currently on the market, is equipped with an Immobilizer system. This is signalled by a flashing LED on the dashboard. Do the connection in series on the LED command wire:



Safety disarming setting

At the completely connection END, it's necessary to memorize the original deactivate immobilizer sequence, reading the confirm by the "LED Immobilizer" flashing. In this way, the alarm disarming, depends not only by the turn ON ignition key, but also by the original unlock sequence that you can see on the "LED Immobilizer" flashing.

To make the programme, you must follow this procedure:

- Connect the WHITE and BLACK connector of the alarm to the HPS 430;
- The alarm LED flashes for 15 seconds and, into this time, you must turn ON and turn OFF the ignition key 4 times. The LED fixed ON and a beep confirms the procedure start;
- Turn On the ignition key, a beep series confirms the control and an acoustical signal indicates the "LED Immobilizer" flashing end. The LED of the alarm will repeat the original unlock sequence memory and, trough the acoustical signal, confirms the procedure end.

ATTENTION: if you want that this procedure will be memorized, it's necessary to turn ON the button "RUN" of the motorcycle. If this button is turned OFF, when you turn ON the ignition key, the "LED Immobilizer" will not signal the original unlock sequence trough the flashing.

Reading LED exclusion:

It's possible, for the vehicles that have not the Immobilizer system, to exclude this condition. If you compose the code 21, the alarm deactivation will be without the reading "LED Immobilizer".

This is the original condition before the programme. It's possible to restore the reading if you make again the previous procedure.

LED immobilizer TEST

To verify the correct "LED Immobilizer" connection it's possible to activate a temporary reading function: If you compose the N° 19 code you'll active the TEST LED procedure, when the LED is ON the alarm gives an acoustical signal that indicates the correct reading. To stop the procedure, it's necessary to turn OFF the ignition key.

Warranty conditions ...

PATROLLINE guarantees the device against manufacturing defects for a period of 24 months from the date of delivery. The warranty consists in free replacing or repairing of parts unusable or inefficient because of factory's fault verified by Patrolline. Any delay in carrying out works do not entitle to damages or extension of warranty. The warranty lapses if the devices are used not in conformity with the present conditions, if they are modified, repaired or tampered, if the defects derive from accidents, from negligence or from using parts not original. What above-mentioned is the only warranty, that therefore substitutes the legal one. The buyer has not the right to ask for the annulment of the contract, to claim compensation or price reduction.

RESPONSIBILITY: Patrolline has no responsibility or obligations for any accident and/or damage to things/people that could occur using the device.

LIMITATIONS: the buyer undertakes to not to use the device for purposes different from the ones it is for, and to not to modify its construction and its functioning. Saved any possible action of compensation for damages, it is agreed that the non-observance of the regulations above-mentioned involves the immediate end of the right of warranty.

Enforcement formality ...

The validity starts from the date of delivery (that is the date of the first installation) signed on the warranty special coupon with the receipt attached or a copy of the invoice. Without these documents, the warranty will start from the date of manufacturing.

The following services are free: the supply and replacement of the parts unusable or inefficient because of verified defect of material; the labour to replace and repair the above-mentioned parts; the supply of materials that have become necessary after the above-mentioned actions and pertinent to them.

Are payable by the buyer: the replacement of various materials not connected with the interventions to repair the device for verified defect; maintenances and interventions because of wear, accident or conditions that do not follow the indications of Patrolline.

Every piece returned, for any reason, to Patrolline will be done by PORTO FRANCO.

These conditions of warranty have to be considered valid only on National territory (Italy).



The undersigned _____
professional installer, certify that the installation of the vehicle protection device described below has been done in
conformity with the instructions given by the manufacturer.

Description of the vehicle:

Brand and Model _____

Description of the vehicle protection device:

Model and Serial Number _____

Place and date of the installation:

Stamp and signature
of the installer

MALFUNCTION (minutely describe the problem):



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