

## DIGITAL SPEED REGULATOR HPS 558

The HPS 558 is a digital speed regulator for scooter made by a mini-digital device, equipped by a red lighting led and by a 4 wires cable. The consumption takes place only with the vehicle's key in ON position, this means that when the engine is off the consumption is zero. This device is used to regulate the performances of the vehicle except when it is deleted by a personal code.

This means that every time you start the scooter, the cycles of the engine will be always between the limits choosen by you, to increase the safety and also the ....privacy.

**Setting on :** it happens automatically every time you turn the vehicle's key in ON position. If you have already deleted the system you can set on it again simply dialling the code.

**Setting off :** it happens dialling the personal code indicated at the bottom of the instructions.

**What is the code and how to obtain it :** you can make the code acting on the brake lever that put in action the stop-light of the vehicle. For example if the code is " 10011 " :

- Set on the key leaving at rest the brake lever for at least 2 seconds.
- Move the brake lever ( like you normally make to light the stop signal ) for 5 times following the under said rule :

1 = Lever moved for more than half second

0 = Lever moved for less than half second

For example : 10011 = Braked LONG - SHORT - SHORT - LONG - LONG

Between a braked and the next one must not be pass more than 2 seconds. If you should made a mistake during the formulation of the code, the LED will shortly blink signalling the mistake.

This procedure, when you are in the habit of doing it, is more simple and safe of any switch.

In case the code is forbidden or the present instructions get lost, remember that is enough to turn the starting key of the vehicle in ON position keeping the brake pulled and the device's Led will blink signalling the right code.

**Code lenght :** If for safety reasons you prefer have a code with 7 numbers instead of 5 numbers, is enough to cut the wiring jumper positioned on the device to the opposite side of the connector. To return to 5 numbers connect again the two wires cutted.

N.B. The lighting of the LED, while setting on the key contact, is normal.

**Adjustment of the cycles\_ :** is possible to adjust ( compatibly with the features of the engine ) the performances of your scooter.

Infact turning the trimmer of the device with a screwdriver in a clockwise direction the performances will increase, in the opposite direction will decrease.

**Alarm function :** is enough to turn in a clockwise direction the trimmer to let that the engine does not comes out of cycles.

In this case you have at your disposal a reliable alarm without any battery consumption.

## INSTALLATION INSTRUCTIONS

The installation of the HPS 558 is very simple. Is enough to put the device in a place protected against water infiltrations and in a place where is easy to make the following connections :

white wire	of the device's cable to the positive under key ( the wire that is feeded when the ignition is on )
black wire	of the device's cable to the ground on the vehicle
blue wire	of the device's cable to the wire of the electric plant of the vehicle that brings current to the stop signal
green wire	The of the device's cable to the PICK-UP

**ATTENTION :** The green wire goes to the PICK-UP and not to the feeding wire of the electronic ignition, if this happens the device will be destroyed.

**CONNECT THE GREEN WIRE ONLY TO THE WIRE OF THE PICK-UP.**

After having done these connections, insert the wiring connector and try.

The LED of the device will remain off at device on ( speed regulator inserted ) and lighted at device off.

**MAKE SOME TESTS ( ALSO ADJUSTING THE TRIMMER FOR THE LOWEST PERFORMANCES DESIRED ) AND INSTALL DEFINITELY THE DEVICE.**

Personal code : with wiring jumper not cutted use only the first 5 numbers

Series n :

Operator :

TO SEE PERSONAL CODE, LOOK AT PAGE NUMBER 1<sup>2</sup>