

**⚠ WARNING: Carefully read following instructions and technical specifications in this manual before installation. The system must be installed and used only according to this manual. The system is designed for vehicles with 12V power supply. It has to be connected to 12V output and to the ground. Neither producer or seller of the system is responsible for damages caused by incorrect installation, using or operating of this product. Unprofessional operation or modification of the system can damage the system alone, or the electric system of the vehicle and leads to warranty loss. For proper working of the system we recommend the installation to be made by authorized service.**

**SYSTEM DESCRIPTION**

Tripping is modern comfort function of directional lights flashing. After a short press of direction lights lever, lights will automatically flash 3 times. TPG unit is designed as a plugin with a very simple diagram for all vehicles with a positive voltage control of lights. The control unit constantly monitors the directional lights. When they lights up at least 100 ms, but not longer than 300ms, which means short press of lever for direction indicators, the processor immediately estimated remaining time needed for the first flash and then flashes for 2 times. If one side of the directional lights is flashing and the other side will be activated, obsolete side of the lights is immediately switched off and only actual side is flashing (3x flash). If the lever is arrested continually (switched ON), TPG unit is not responding. In this device, is increased resistance of warning lights activation and the activation rate was shortened, too.

**I. SYSTEM INSTALLATION**

Installation is due to sophisticated design and unique program very simple and can be performed even by moderately skilled technician. Just connect the unit to power supply (10-16V) and connect the directional lights. When connecting, it does not matter which is right side and left side, but when programming it is necessary to be careful! Unit should be connected where the voltage is only when the ignition is turned ON, so the unit is not continuously fed. Power supply for unit is 10 - 16V, current max. 5A!

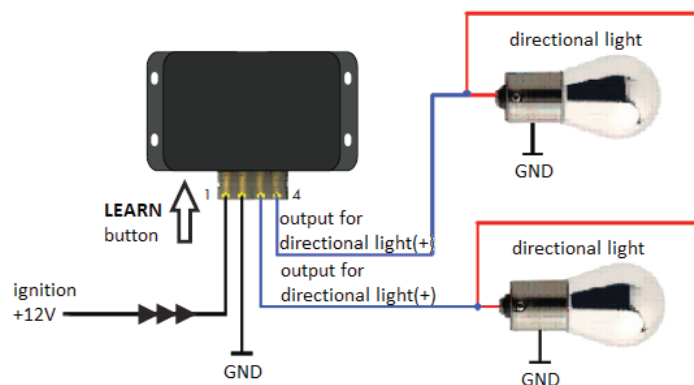
**II. LEARNING MODE OF TPG**

The unit includes LEARN button, which is used to learn flashing of the directional lights according to vehicle, in which the module is installed. Module will measure how long the light is switched ON when indicators flashing. On this basis, TPG adjusted its internal time and also estimate the time of light bulb switched on, when a short press

of lever. The module works as an original feature of the vehicle. To change the settings, follow these steps:

1. Find out if you have connected the right turn light on input „P“, which is marked on the box of the module. If you have connected the left turn signal, you will be learning the left side directional indicators.
  2. When the directional lamps are turned off, press and hold the LEARN button on the controller. Pressing is confirmed by a brief flash of all directional lights.
  3. Activate the right directional light. Module now senses and sets the flashing indicator lamp. If the module is taught correctly, right direction light turns ON permanently. Directional light will be turned ON until you release the LEARN button, then switched off.
  4. Now the module is programmed and ready to use. Adjusted data are retained even after power is disconnected.
- Note:** If the lever is switched on, after switched off, TPG module wont respond 2sec.

**III.SCHEMATIC**



Technical parameters	
Power supply	10 - 16V
Working temperature	-40°C - 60°C
Stand-by current	0,02mA
Max. current	6A

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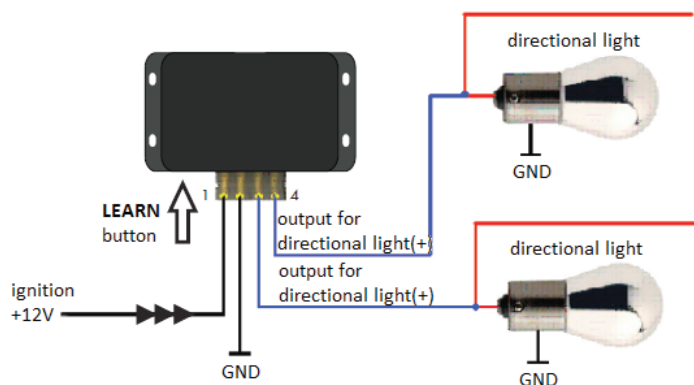
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