

**⚠ 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

The ultrasonic sensor UL 100 senses motion in the vehicle. The sensor is recommended like an additional security of car alarm. Sensor sensitivity is adjustable by turning the potentiometer on control unit. The motion is signalized by flashing of LED diode and by connection of white wire to common black wire minimally on 800ms. UL 100 is designed for vehicles with power supply 12V.

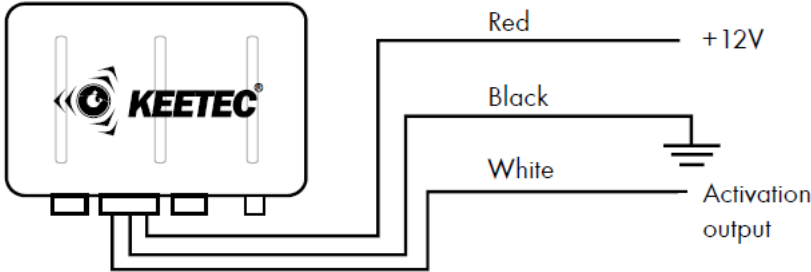
## SYSTEM INSTALLATION

The ultrasonic sensor UL 100 contains of control unit, two sensors and power cable. The best place for control unit of UL 100 is inside of dashboard cover. The unit is possible to fix by two-side tape or shrink tape. Two sensors are recommended to place on front window pillar in vehicle. The ultrasonic sensor is directly connected through car alarm connector or in parallel to shock sensor included in car alarm.

**Attention:** Random alarm can be caused by insects in vehicle or unclosed windows!

**NOTIFICATION!** If an ultrasonic sensor is used in conjunction with a GSM car alarm, or GSM pager may cause interference in the form of false alarms. For correct operation, it is necessary to install control units at least 50 cm apart.

TECHNICAL PARAMETERS	
Power supply	8V - 18V
Operational temperature	from -40 °C to 85 °C
Stand-by mode current consupction	3 mA - 5 mA
Current output	100 mA (max)
Output switch period	negative impulse 800ms



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