

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.

DEVICE DESCRIPTION

Two-zone microwave sensor detects motion in the interior and exterior of the vehicle within a radius of 360 degrees. The sensor has two independent zones connected to the one alarm output. Alarms from the individual zones are differentiated by different pulse duration. The sensitivity of each zone is independently adjustable. After connection of power supply, the sensor is inactive for 17 sec. This state is indicated by steady light of green LED. After LED switched off, the sensor is active.

I. INSTALL

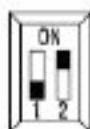
Microwave Sensor MWS-2 consists of a control unit and power cord. Control unit should be placed at the center of the vehicle that were evenly covered all parts of the vehicle. Secure it with double-sided adhesive tape or using cable ties. Microwave sensor cable connect directly into the car alarm jack (check polarity) or parallel to the shock sensor that comes with car alarm.

II. SENSOR SETUP

The microwave sensor can be set using DIP switches as follows:

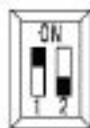
Zone 2 (interior) S1 OFF, S2 ON

Active is the only interior zone. Sensitivity is set by trimmer, VR2 in the range of 0-1 meters. Disruption of this zone is indicated by a red LED and the output is "-" pulse with a length 1 sec.



Zone 1 (exterior) S1 ON and S2 OFF

The active zone is only exterior. Sensitivity is adjusted with the trimmer VR1 in the range of 0-3 meters. Disruption of this zone is indicated by green LED and the output is "-" pulse with a length of 140 ms.



Zone 1, 2 (interior and exterior) ON S1, S2 ON / OFF S1, S2 OFF

Active Zone 2 are the interior and exterior zone 1 The sensitivity of each zone to set the trimmer VR1 and VR2. Alarm pulse lengths are the same as for the zones.



white - alarm output (-)
black - ground
red - +12V

