INSTALLATION MANUAL

Contents

This Signat SRS050 kit comprises the following parts:

- Speed switch
- Universal wiring harness
- Installation manual

System features

- Microprocessor-controlled speed-dependent switch
- Programmable functions for deactivation
- LED indication

System description

System specifications

Working voltage range:	8 - 15 Volt DC
Temperature range:	-40°C to +80°C
Power consumption:	0.4 W
Speed frequency range:	0 – 100 KHz
Signal voltage:	3,5 – 15 V
System mounting position:	passenger compartment of the vehicle

System operation

The Signat SRS050 system responds to the speed of the vehicle. If the vehicle's speed drops below the preset value, the system will activate. If the speed exceeds the preset value again, the system will deactivate.
Depending on the configuration the system will also deactivate if the vehicle is stationary or 10 seconds after the vehicle has stopped.
Likewise it is possible to deactivate the system by applying the brake or 10 seconds after having applied the brake.

Connections

Ignition switched plus

Wire colour:	Brown wire
Position:	White 6-pole connector pin 3
Connection:	Connect to a ignition switched plus (+) 12 Volt (+15 wire).
Specification:	This connection makes the system function only when the vehicle is switched to ignition.
Remark:	In this wire you can insert an additional switch to manually deactivate the speed switch.

Negative battery supply

Wire colour:	White wire
Position:	White 7-pole connector pin 4
Connection:	Connect to the negative pole (-) of the battery.

Speed signal

Wire colour:	Blue wire
Position:	White 7-pole connector pin 5
Connection:	Connect to the speed signal of the vehicle.
Specification:	This input detects the speed of the vehicle.
Remark:	The voltage of the speed signal may vary from 3,5 ~ 15 Volt (P.P.). The range of the frequency is 0 ~ 100kHz. If the signal exceeds these values, you will have to apply a pulse divider or a pulse amplifier.

Brake light

Wire colour:	Green wire
Position:	White 7-pole connector pin 6
Connection:	Connect to the positive switching wire of the brake light switch.
Specification:	This input detects when the brake is applied.
Remark:	This wire is only connected with mode 4 and 5.

Reversing light

Wire colour:	Yellow wire
Position:	White 7-pole connector pin 7
Connection:	Connect to the positive switching wire of the reversing lights.
Specification:	This input detects when the reversing lights are activated.
Remark:	When the reversing lights are activated, the unit switches off.

Positive output

Wire colour:	Red wire
Position:	White 7-pole connector pin 2
Connection:	Connect to the wire of the parking system which normally leads to the reversing lights.
Specification:	This output gives +12V when the speed switch is activated.
Remark:	Do not connect the power supply wire of the parking system to the reversing lights.

Ground output

Wire colour:	Black wire
Position:	White 7-pole connector pin 1
Connection:	Connect to the wire of the parking system which normally leads to ground.
Specification:	This output gives ground.
Remark:	Do not connect the ground wire of the parking system to the car body.

System configuration

The system recognizes five different configuration options.
The following parameters and functions can be adjusted.

MODE	
1	Speed activation
2	Speed activation with stop deactivation
3	Speed activation with delayed stop deactivation
4	Speed activation with brake deactivation
5	Speed activation with delayed brake deactivation

Explication of functions

(1) Speed activation
In this mode, whenever the vehicle's speed drops below the preset value, the front parking sensors will be activated and they will remain alert until the speed exceeds the preset value.

(2) Speed activation with stop deactivation
In this mode, whenever the vehicle's speed drops below the preset value, the front parking sensors will be activated. They will be deactivated as soon as the vehicle is stationary.

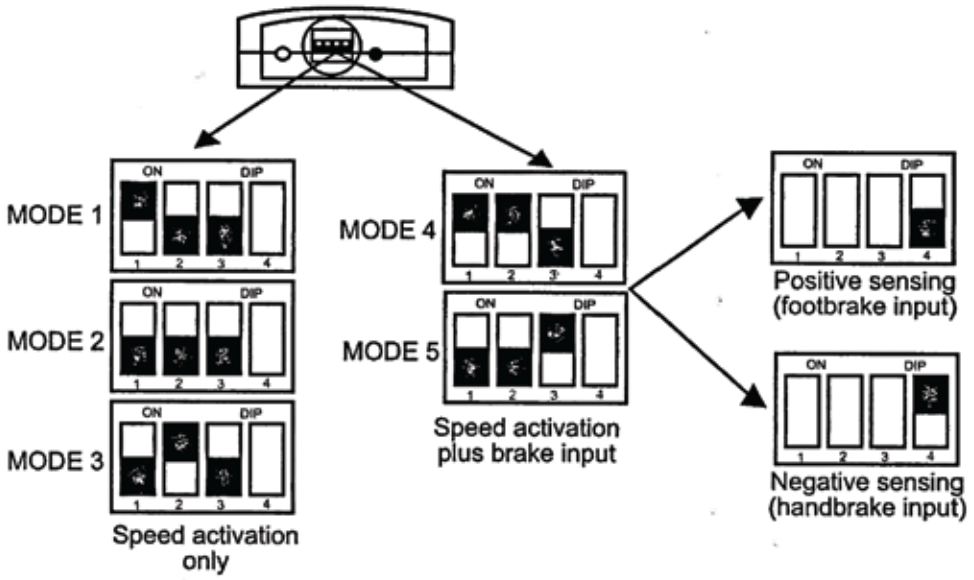
(3) Speed activation with delayed stop deactivation
In this mode, whenever the vehicle's speed drops below the preset value, the front parking sensors will be activated. They will be deactivated once the vehicle has been stationary for 10 seconds or longer.

(4) Speed activation with brake deactivation
The sensors will be activated in the same way as in MODE 1.
In this mode, the sensors will be deactivated as soon as the foot brake (or the hand brake, if selected) is applied.

(5) Speed activation with delayed brake deactivation
The sensors will be activated in the same way as in MODE 1.
In this mode, the sensors will be deactivated 10 seconds after having applied the foot brake (or the hand brake, if selected).

Dipswitch adjustments

In order to choose a system configuration, you will have to adjust the dipswitches as follows:

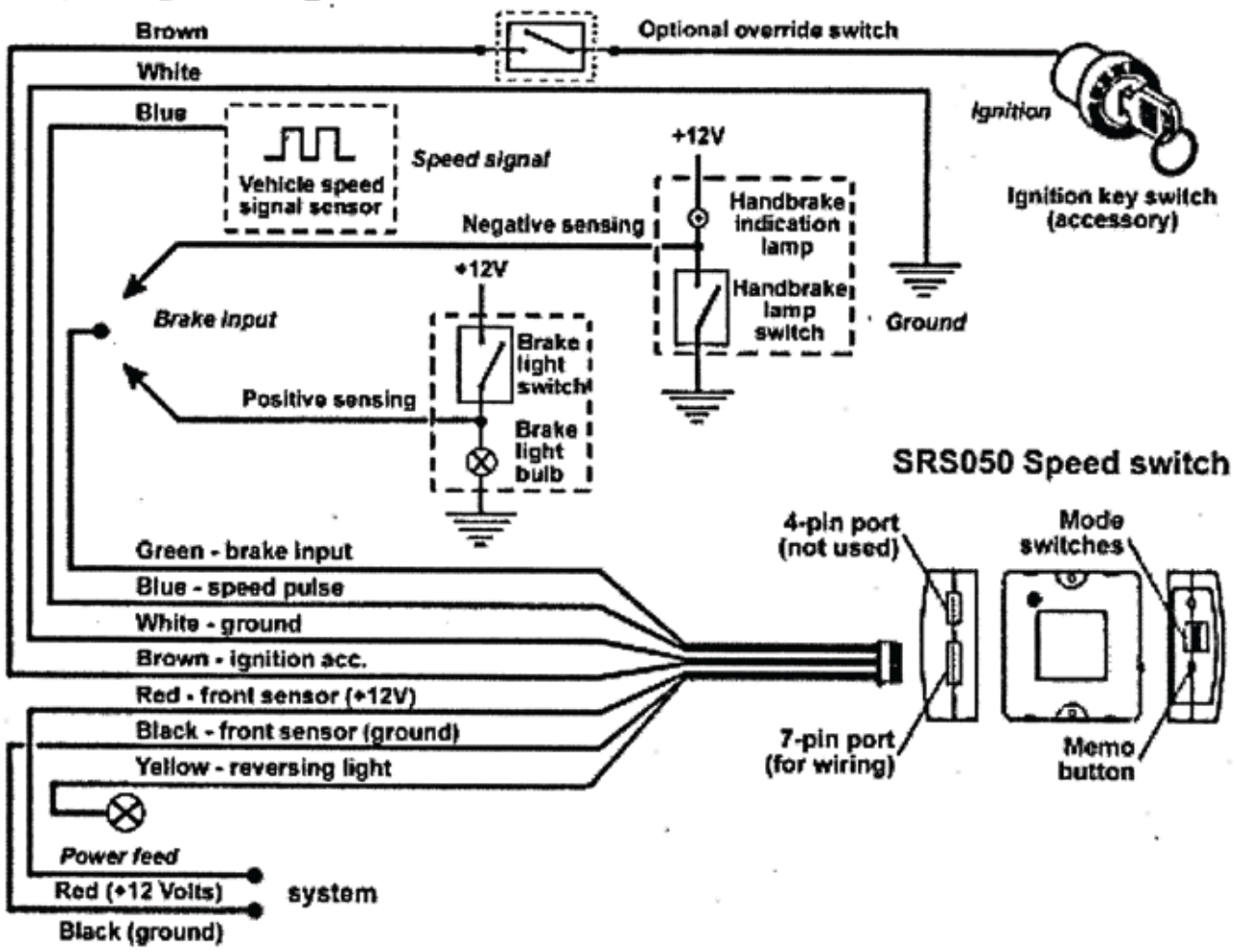


System programming

After having completed the installation, you will have to program the Signat SRS050 system.

The threshold speed value at which the SRS050 system will activate, must be programmed into the memory of the SRS050 module. This is effectuated by pressing the 'memo' button whilst the vehicle is running at the required speed.

Wiring diagram



More information?

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