

**INTIEL**  
**THE ELECTRONICS ON YOUR SIDE**

**Fuel Pressure and Temperature Simulator**

**User's Manual**

**1. Technical description**

The simulator is designed for installation in automobile gas systems.

**2. Operation**

The device simulates the pressure of the fuel pump and the fuel temperature in the fuel system.

Initially through the ignition switch it is being provided power supply, respectively / +12 V/ to the **red** wire and / GND / to the **brown** wire. In the beginning there is no control signal of the **white** wire, **in which case** the simulator connects in a short circuit the **yellow** wire with the **orange** one and the **green** wire to the **blue** one.

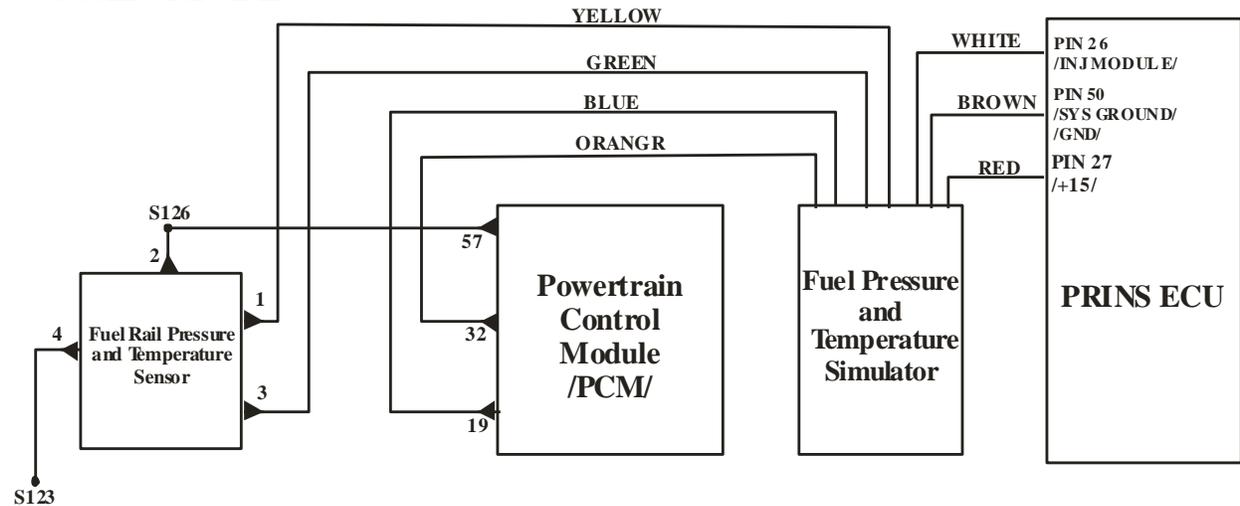
Thereby Pressure and Temperature Sensor is being connected to the vehicle computer.

After applying the control signal to the **white** wire / GND / the simulator disconnects the above mentioned circuit and send a voltage signal from 0 to 10V to the **orange** wire. It is being adjusted by trimmer potentiometer under the devise cover of the simulator / and connects internal resistor of 30k to ground.

**3. Technical data**

- |                                   |                    |
|-----------------------------------|--------------------|
| 1. Power system voltage           | 12V/DC             |
| 2. Maximum current consumption    | 20mA               |
| 3. Output Voltage / orange wire / | from 0 to 10V      |
| 4. Output Impedance / blue wire / | 30k - +10%.        |
| 5. Protection level               | IP-65              |
| 6. Operating temperature range    | from -10C to +55 C |
| 8. Humidity of the environment    | up to 95%          |

**4. Connection scheme**



**5. Warranty**

The warranty period is 24 months following the purchase date of the unit or its installation by an authorized Engineering Company, but not exceeding 28 months after the production date. The warranty is extended to the malfunctions that occur during the warranty period and are result of the production reasons or defective used parts.

The warranty does not relate to malfunctions corresponding to not-qualified installation, activities directed to the product body interference, not regular storage or transport.

*The repairs during the warranty period can be done after correct filling of the manufacturer warranty card*

**Warranty Card**

<b>Manufacturer: INTIEL</b>	
<b>Product type</b>	<b>Fuel pressure snd temperature simulator</b>
<b>Production number</b>	
<b>Production date</b>	
<b>Dealer confirmation</b>	
<b>Purchase date</b>	
<b>Invoice number</b>	
<b>Dealer's name, address and stamp</b>	
<b>Seller's name and signature</b>	