

Function

The resistance of the outside air temperature sensor (B10/5) depends on the ambient temperature and the ground speed. With an increase in the outside temperature, its resistance decreases. This information is sent to the air conditioning control module (N19).

This information causes a slight lowering or raising of the temperature selected at the air conditioning control panel. This achieves an adaptation to the temperature perception of the occupants.

The outside temperature depends on the ground speed, which prevents a value for the outside temperature that is too high - as may occur when the vehicle is stationary or when traveling slowly, e.g. due to thermal radiation from the engine - from being sent to the air conditioning control module (N19).

The value of the ground speed is sent from the traction systems control module (N47) via the instrument cluster (A1) to the air conditioning control module (N19).

When switching the ignition off and on and with speeds lower than 20 km/h the temperature measured last is used.