

## Guidelines for Student Reports

# Experimental testing of PIR Sensor PIR SMD

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### Abstract

Infrared sensors are particular modules able to sense the radiation emitted in the infrared spectral region by objects and individuals placed in the field of view of the sensor. This typology of sensors is largely used for object/subject monitoring and detection, given the low power consumption and the availability of different low price solutions. On the other hand, the reading of these sensors is widely affected by atmospheric conditions and in general the sensed area is not very large. As for other sensors, also Passive InfraRed sensors may be used in road monitoring systems, in order to limit and prevent vehicle-wildlife collisions. The project aim is to evaluate the performance of a commercial PIR sensor (model PIR SMD MODULE), in order to assess its applicability to real monitoring systems.

### Reference Bibliography: Wireless Sensor Network [1]-[7].

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