

# PIR (Passive Infrared) sensor



---

**The passive infrared sensor (PIR sensor) is an electronic sensor that measures infrared (IR) light radiating from objects in its field of view. They are most often used in PIR-based motion detectors.**

---

All objects with a temperature above absolute zero emit heat energy in the form of radiation. Usually this radiation isn't visible to the human eye because it radiates at infrared wavelengths, but it can be detected by electronic devices designed for such a purpose.

In this [video](#), you learn how a PIR sensor works and how to use it with arduino.



This project has received funding from the European Union's Horizon 2020 Coordination & Research and Innovation Action under Grant Agreement No 731345.

