

PIR Sensor

PIR/S

All objects with a temperature above absolute zero emit heat energy in the form of radiation. Usually this radiation is invisible to the human eye because it radiates at infrared wavelengths, but it can be detected by electronic devices designed for such a purpose.

The term *passive* in this instance refers to the fact that PIR devices do not generate or radiate any energy for detection purposes. They work entirely by detecting the energy given off by other objects. It is important to note that PIR sensors don't detect or measure "heat" parse, they actually detect the Infrared radiation which is different from but often associated/correlated with temperature

PRODUCT DESCRIPTION:

Compact and complete, easy to use Passive Infrared (PIR) Sensor Module for human body detection. Incorporating a Fresnel lens and motion detection circuit, suitable for a wide range of supply voltages and with low current drain. High sensitivity and low noise. Output is a standard TTL active low output signal indicated by on board LED.

