Chipsmall

Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts,Customers Priority,Honest Operation,and Considerate Service",our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!
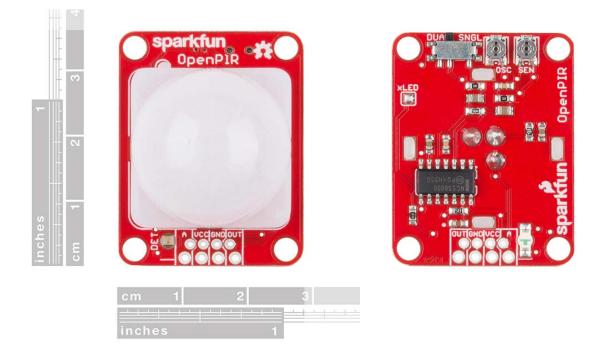

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SparkFun OpenPIR

SEN-13968 Open Source Hardware

Description: The SparkFun OpenPIR is a highly customizable Passive Infrared (PIR) sensor based around the NCS36000 PIR controller. Passive infrared (PIR) sensors are able to detect motion in a small/local area — they're the sensor of choice in security systems, home automation and proximity-sensing applications. The OpenPIR allows you to set the sensitivity, trigger time and pulse mode of the motion sensor so you can tailor-fit it to your application!

The OpenPIR has a multitude of characteristics unique to itself, including two trimpots to adjust sensitivity (view distance) and the oscillator to control the length of time the output remains HIGH, as well as a trigger that supports two motion-detection modes: single-pulse and dual-pulse. Additionally, each OpenPIR is equipped with a reverse-entry green LED, which duplicates the status of the OUT pin. When motion is detected, the LED will illuminate; otherwise it will remain off.

The SparkFun OpenPIR supports a power supply range of 3VDC to 5.75VDC at 80µA standby (3mA when detecting motion) and is able to be connected via a standard 0.1" header or a 4-pin JST PH connector.

Features:

- Voltage Supply Range: 3VDC to 5.75VDC
- Standby Average Current: 80µA
- Motion-Detected Average Current: 3mA (LED enabled)
- Integrated 2−Stage Amplifier
- Internal LDO to Drive Sensor
- Internal Oscillator with External RC
- Single or Dual Pulse Detection