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!
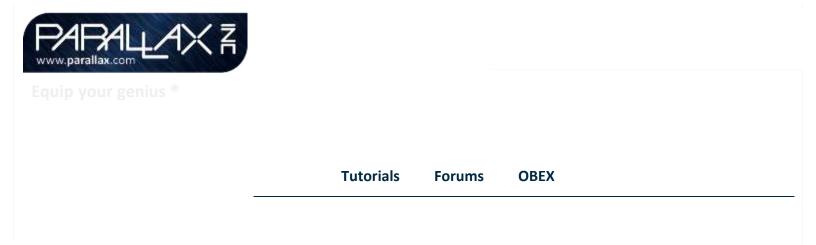

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Home › Sensors › Infrared › Wide Angle PIR Sensor

Wide Angle PIR Sensor

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Product ID 28032

▾ Overview

Similar in functionality to the PIR Sensor (#555-28027), the Wide Angle PIR Sensor features a larger detection angle of 180˚. This makes it ideal in applications where users need to track movements across a large, open area. The Wide Angle PIR Sensor is a pyroelectric device, and it detects motion by sensing changes in the infrared levels emitted by surrounding objects. When motion is detected, the Wide Angle PIR Sensor outputs a high signal on its output pin.

Key Features:

- 180˚ detection angle for widespread motion detection
- Detects movement up to 30 ft away
- User-selectable "night-time mode" for detecting motion in decreased lighting conditions
- Adjustable sensitivity to tune for different operating conditions
- 4-pin SIP package perfect for breadboard-friendly projects
- Small size and mounting holes for easy concealment

Application Ideas:

- Motion-activated nightlight
- Alarm system
- Holiday animated props

Details

- Voltage requirements: 3.0 to 6.0 VDC
- Current requirements: 150 uA idle, 3 mA active (no load)
- Communication: Single-bit high/low output
- Dimensions: 1.42 x 1.42 x 0.79 in (36.0 x 36.0 x 20.2 mm)
- Operating temperature range: 32 to 122 °F (0 to 50 °C)

Additional Resources

PIR Sensor (Rev B)

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