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!
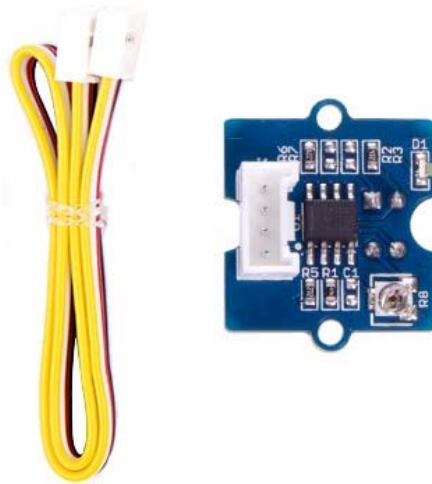
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Grove - IR Distance Interrupter v1.2

SKU 101020175

Provided a high-sensitivity RFR-359F photo-reflector, Grove - IR Distance Interrupter v1

Description

Provided a high-sensitivity RFR-359F photo-reflector, Grove - IR Distance Interrupter v1.2 can be used to detect if there is an object presenting in front of it. The photo-reflector consists of a GaAs infared light emitting diode and a silicon planar phototransistor. When an object is placed right in front of the sensor, the reflective infrared light emitted from the emitter will be picked up by phototransistor and then outputs logical HIGH or logical LOW according to the distance between the reflection surface and the sensor.

By adjusting the potentiometer, you can set the detection threshold value in a range from about 90mm to 300mm if the reflection surface is a piece of white paper. An indicator LED is used to visualize the result of measurement as it will lights up bright red when an object is detected, and go off when there is nothing.

Features

- Easy to use
- Integrated indicator LED
- Digital output
- Adjustable detecting range

Specification

- Power supply: 5V DC
- Reflective photo sensor: RPR-359F
- Digital output mode: TTL (High when black is detected, Low when white is detected)
- Connector: 4 pin Buckled Grove interface
- Dimension: 20mm*20mm