



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 infrared 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