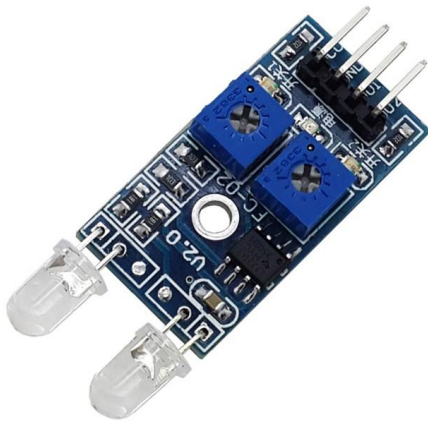


4Pin 2Channel Diode Light Brightness Detection Photosensitive Sensor

Product Description

- Dimensions:4.3 cm x 1.7 cm x 0.8 cm
- Indicator light for indicating switch and power
- Uses wide voltage LM393 comparator
- Output: Digit switch output (0, 1)
- Current: Over 15mA
- Working voltage: 3.3V-5V



Module Instructions:

1. Photodiode module is most sensitive to environmental light intensity , generally used for detecting the ambient brightness and light intensity , can be common with photosensitive resistance sensor module in most cases , the difference between this two is that Photodiode module has a better directionality, can sense light in fixed direction;
2. When ambient light intensity does not reach the threshold value, the module DO port output high; when the ambient light intensity exceeds a set threshold, the DO output low;
3. Digital outputs DO can be directly connected with the microcontroller through the microcontroller to detect high and low , thereby detecting the light intensity changes in the environment;
4. Analog output and the AD conversion process, can achieve higher accuracy.

Features :

1. Can detect the brightness and the ambient light intensity (compared with photo-resistor, this module has better directionality , can sense light in fixed direction)
2. Adjustable sensitivity (use the blue digital potentiometer to adjust)
3. Operating Voltage: 3.3V-5V
4. Output Format : DO digital switching outputs (0 and 1) and AO analog voltage output
5. Has a fixed bolt holes for easy installation
6. PCB Size : 3.2cm * 1.4cm