

Photosensitive Module



Overview

Photosensitive resistance module is most sensitive to ambient light. Module can be directly connected with Microcontrollers or to trigger relay module. Module sets output to LOW logic (on DO pin) if the light intensity is higher. The KY-018 is a photoresistor module — also known as an LDR (light-dependent resistor), photosensitive resistor, or light sensor module — that measures ambient light intensity. It can be used for various purposes, such as adjusting the brightness of a device, detecting day and night, or activating a light switch. We'll explore how the sensor detects different light levels and processes and displays these readings on the serial monitor. 3V-5V, it provides both analog and digital output. They are mainly used in: photocells, photo- multiplier tubes, photo-resistors, photo-transistors, solar cells, infrared sensors, ultraviolet sensors, fiber optic sensors, color sensors, CCDs, and CMOS image sensor, etc.



Article Content

Mar 23, 2026

(DKHK100200)Lesson12-Photosensitive sensor module for arduino

(DKHK100200)Lesson12-Photosensitive sensor module for arduino Content
Introduction Preparations Hardware Software About Photoresistor Connection Upload
Sketch Program Running

Nov 05, 2025

Amazon : Oiyagai 5pcs LM393 Light Sensor Module, Photosensitive ...

Product description Application: Light intensity detection, intelligent car light module,
with directional, only sense light source in front of the sensor, better to use for
searching light. Oiyagai

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Amazon : Oiyagai 5pcs LM393 Light Sensor Module, Photosensitive ...

Product description Application: Light intensity detection, intelligent car light module,
with directional, only sense light

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LDR Photosensitive Light Sensor Module

This LM393 Photosensitive Light Sensor Module uses a high-quality LM393 voltage
comparator. The Light Sensor module is based

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Getting Started with Light Sensor Module (SN-LIGHT

INTRODUCTION SN-LIGHT-MOD is a photosensitive resistor module, suitable to detect
environmental light intensity and ambient brightness. Its

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Lesson 11: Photoresistor Module

In this lesson, you will learn how to use a photoresistance sensor with an ESP32
Development Board to measure light intensity. We'll explore how the sensor

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Photosensitive Diode Sensor Module (SEN56132P) - circuitrocks

The Photosensitive Diode Sensor Module is a ph sensor designed for light logging,
optical switching, line tracking, and brightness

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Photosensitive Resistance Sensor Module – LM393

The Photosensitive Resistance Sensor Module with LM393 comparator and LDR offers adjustable sensitivity and dual digital and

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Photosensitive Sensor Module Detection Photoresistor LDR Light

To introduce the basic steps on how to use LDR digital sensor Module with Arduino UNO or other Microcontroller to detect the light brightness in the environment and decide to switch OFF or ON light.

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LM393 Light Detection Sensor Module (4-pin LM393

This module combines a photoresistor (LDR) with an LM393 comparator, providing both analog light level output and a digital ON/OFF output with an adjustable

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Introduction to Photosensitive Integrated Circuits

Introduction to Photosensitive Integrated Circuits This article continues our introductory discussion of light-sensitive

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ESP32 LDR: How to Use a Photosensitive Resistor to Measure Light

In this lesson you will learn how to use a photosensitive resistor module (LDR module) with your ESP32. You will read analog values to measure light levels and also monitor the built-in

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Velleman Arduino™ Photosensitive Switch Module

This module uses a photo transistor to produce an output voltage that will vary at different light levels. Connect it to your Arduino or

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LM393 3-Pin Photosensitive Sensor Module

This 3-Pin LM393 Photosensitive Sensor Module features a built-in comparator for accurate light detection. Operating at 3.3V–5V, it provides both analog and

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Photosensitive module

Introduction of Photosensitive module 1. Working principle Photosensitive sensors are one of the most common sensors. They are mainly used in: photocells, photo-multiplier tubes, photo-resistors, photo

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Buy LM393 Photosensitive LDR sensor module | Electronic Spices

LM393 Photosensitive light-dependent resistor LDR sensor module A flexible component for light-detecting packages is the

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Photosensitive module

Introduction of Photosensitive module 1. Working principle Photosensitive sensors are one of the most common sensors. They are

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Introduction to Photosensitive Integrated Circuits

Introduction to Photosensitive Integrated Circuits This article continues our introductory discussion of light-sensitive components that produce higher output-current amplitude than

Jan 30, 2026

Amazon : Oiyagai 5pcs LM393 Light Sensor

LM393 Light Sensor Module: Equipped with LM393 voltage comparator chip for accurate light intensity detection and reliable signal output.

Sep 02, 2025

PhotoBasics: Types, Principles, and Applications of Light-Sensitive ...

This article discusses the types of light-sensitive electronic components, their operating principles, and practical

Dec 03, 2025

uxcell Photosensitive Diode Sensor Light Detection

uxcell Photosensitive Diode Sensor Light Detection Photodiode Module with Digital and

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Introduction Preparations Hardware

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Photosensitive Resistor: Principle, Test Procedure, and Application

Explore the photosensitive resistor: understand its principles, learn precise testing procedures, and discover applications.

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uxcell Photosensitive Sensor Module Light Intensity Detection

2.The photoresistor module is most sensitive to the brightness of ambient light and is generally used to detect

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Photosensitive Sensor Module

Photosensitive Sensor Module Developing and Providing Worldwide With IC Accessories, Raspberry Pi, Robots, Arduino compatible Dev. Board and Modules, New Year Sale Lowest Price.

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Photosensitive module

This module is a photosensitive resistor as a sensor, which convert an optical signal into an electrical signal by photo-resistor. The analog value of the photosensitive module output ranges from 0 to

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Photoresistor Module — SunFounder Ultimate Sensor

A photoresistor module is a device that can detect the intensity of light in the environment. It can be used for various purposes, such as adjusting the

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Photosensitive Sensor Module - Electrolab

This LM393 Photosensitive Light-Dependent Control Sensor Module is using a high-quality LM393 voltage comparator. Easy to

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LM393 Optical Sensitive Resistance Light Detection Photosensitive ...

LM393 Optical Sensitive Resistance Light Detection Photosensitive Sensor Module
Description: 1. The brightness of surrounding

Dec 02, 2025

PHOTOSENSITIVE SENSOR MODULE WITH 3 PIN CABLE

PHOTOSENSITIVE SENSOR MODULE WITH 3 PIN CABLE - Whadda Description Measure light levels with this sensor module!

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Photosensitive Sensor Module for Light Detection and

Enhance your light control system with our Photosensitive Sensor Module. Featuring a responsive photosensitive resistor, it ensures accurate light detection and

Aug 20, 2025

Getting Started with Light Sensor Module (SN-LIGHT

INTRODUCTION SN-LIGHT-MOD is a photosensitive resistor module, suitable to detect

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Photosensitive Sensor Module for Light Detection and

Enhance your light control system with our Photosensitive Sensor Module. Featuring a responsive

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Understanding Photosensors: A Comprehensive Guide

Photoelectric Effect: When photons strike the photosensitive material within the sensor, they

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Photosensitive devices, Photosensitive devices, LEDs, sample circuits

All silicon PN junctions are photosensitive. Thus a photodiode is essentially a conventional silicon PN-junction diode in

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