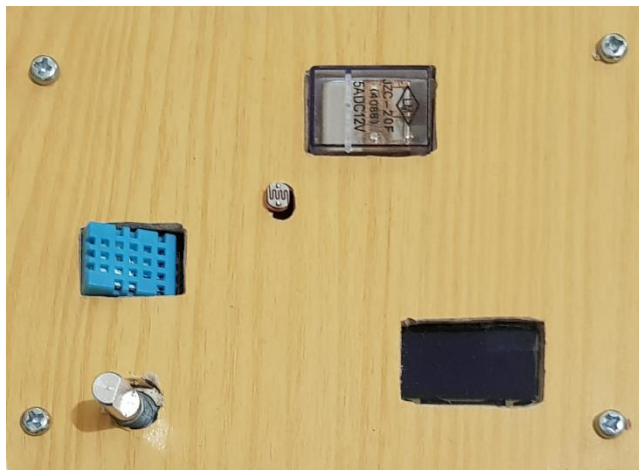


# Light Sensor with Automatic Control



## Description

The following module measures photointensity which can be used to control lights that consume upto 5 Amperes of current with an adjustable threshold value. It can also be used to measure ambient temperature and humidity, however, accuracy may depend on operating conditions.

## Features

1. Light Intensity Measurement
2. Temperature Measurement
3. Humidity Measurement
4. Automatic Light Control
5. Adjustable Threshold
6. 0.96" Monochrome OLED Display
7. Low Quiescent Current
8. 7.2V – 18V Wide Input Range

## Applications

1. Automatic Street Lamps
2. Automatic ambient lighting

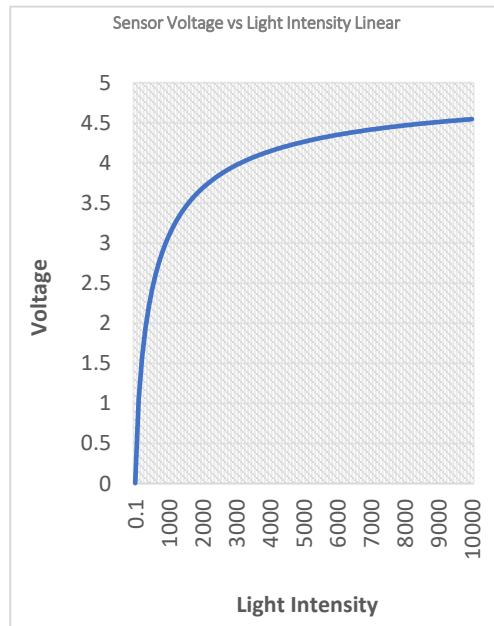
# Feature Description

## Absolute Maximum Ratings

\* Test Conditions (unless otherwise stated): No appliance connected and relay turned off

	Min	Max	Unit
Operating Temperature	0	70	°C
Operating Humidity (Non Condensing)	0	70	%
Input Voltage	7.2	18	V
External Appliance Current	0	5	A
Quiescent Current*	27.00	30.80	mA
Luminous Intensity Measurement Range	0	10,000	LUX
Temperature	0	50	°C
Humidity	20	90	%

Linear Response (Light Intensity)



Measurement Error (Light Intensity)

