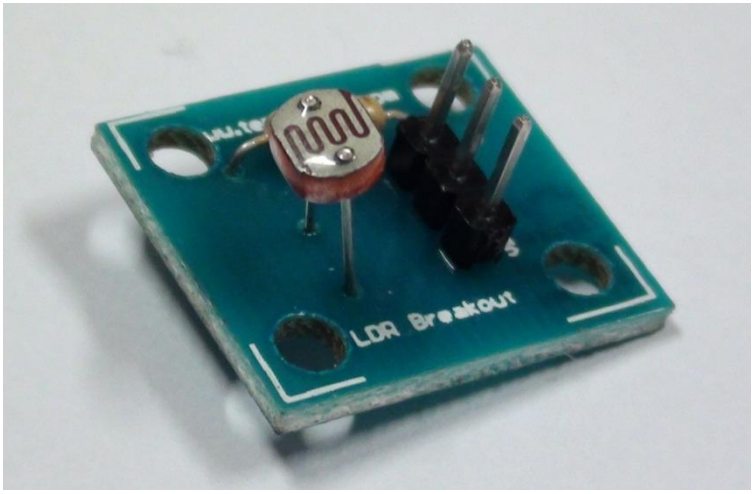
2016

TENET TECHNETRONICS

"Simplifying Technology for Life"

Tenet's Light Sensor breakout



Contents

#9/3, Shree Lakshmi Complex, 2nd Floor, Opp. To Vivekananda Park, Girinagar, Bangalore - 560085.
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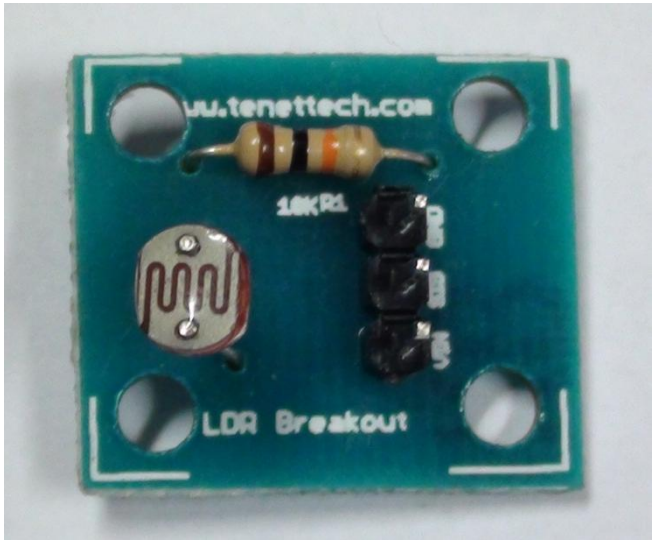
Introduction

Tenet's Light Sensorbreakout is passive electronic circuit which senses the luminous or ambience of light and accordingly produces voltage at its output pin. Now the output of this light sensor is interfaced with any microcontrollers or electronic circuits. Tenet's LDR breakout can be used in an application like Light sensor, Dark sensor, Automatic street light and so on.



Applications

- Light sensor
- Dark sensor
- Automatic street light control
- Camera Exposure Control
- Photocopy Machines - density of toner
- Automatic Gain Control – modulated lightsource
- Automatic Headlight Dimmer
- Position Sensor

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Specifications

Parameters	Conditions	Specifications		
		Min.	Typ.	Max.
Cell resistance	• 1000 LUX • 10 LUX	- -	400 Ω 9 KΩ	- -
Dark Resistance	-	-	1MΩ	-
Dark Capacitance	-	-	3.5 pF	-
Rise Time	• 1000 LUX • 10 LUX	- -	2.8 ms 18 ms	-
Fall Time	• 1000 LUX • 10 LUX	- -	48 ms 120 ms	-
Voltage AC/DC Peak	-	-	-	320 V
Current	-	-	-	75 mA
Power Dissipation	-	-	-	100 mW
Operating Temperature	-	-	-	+75 deg. C

* LUX – Light source illumination

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