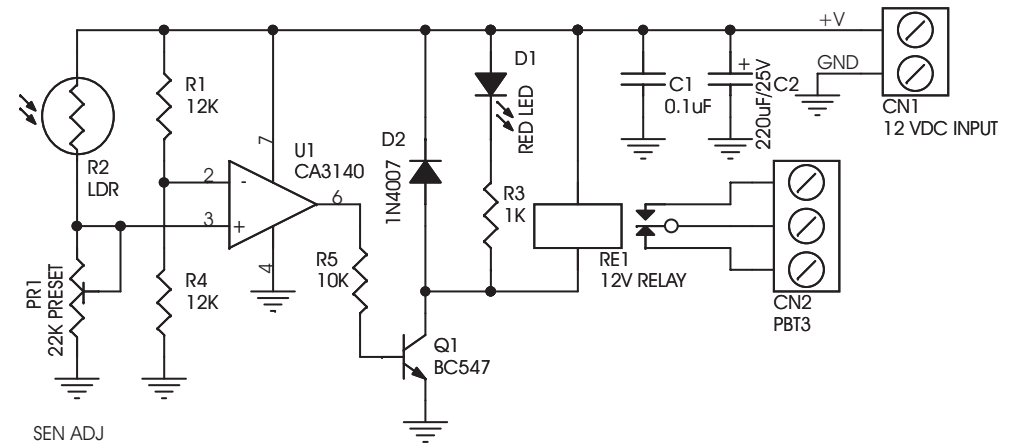


E010 LIGHT SENSITIVE SWITCH

Light Sensitive Switch is a simple project which operates a relay when the light falling on the LDR goes above a set point.

- Supply input 12 VDC @ 50 mA
- Relay output SPDT relay
- Onboard preset to set the level
- Relay ON LED indicator
- Screw terminal connector for easy relay output connection
- Four mounting holes of 3.2 mm each
- PCB dimensions 44 mm x 51 mm



CN1 Connector : Supply Input 12 VDC, 200 mA
 CN2 Connector : Relay Output
 R2 : LDR Light Dependent Resistor
 PR1 Preset : Sensitivity Adjust
 D1 LED : Relay ON Indication

SR.	QTY.	REF.	DESCRIPTION
1	1	CN1	2 PIN SCREW TERMINAL CONNECTOR
2	1	CN2	3 PIN SCREW TERMINAL CONNECTOR
3	1	C1	0.1uF
4	1	C2	220uF/25V
5	1	D1	RED LED
6	1	D2	1N4007
7	1	PR1	22K PRESET
8	1	Q1	BC547
9	1	RE1	12V RELAY
10	2	R1,R4	12K
11	1	R2	LDR
12	1	R3	1K
13	1	R5	10K
14	1	U1	CA3140
15	1	SOCKET	8 PIN DIP IC SOCKET

