

Automatic Room lighting system

Automatic Light Description

Condition:

- People (Necessary condition)
- Night or no brightness

Action:

- If have people , and is night . The lights automatically truns on
- If no people , the light automatically truns off

Quantity	Component	Description
1	Arduino Uno R3	Calculation and processing code
1	PIR Sensor	Motion detection alarms
1	Light bulb	Light
1	5,5 Power Supply	Power supply light
1	Relay SPDT	Relay is a electro-mechanical switch used to control high power application through low power signal electronic circuits,
1	1 kΩ Resistor	Controls the photoresistor current.
1	Photoresistor	Detects the presence of light.