



R2 is a light sensitive resistor. Resistance range from few hundred ohms to mega ohms. The high turn on gate voltage of Q1, Q2 is prefer to logic level mosfet. R1,R2,Q1 is the day/night detector which turns on power to Led Lamp and motion detector. During day time the circuit draws about 100 micro amp U2 is a micro wave doppler radar module instead of passive infrared "PIR" motion sensor. Unlike PIR, microwave is not blocked by dielectric material such as glass. D18 is any 12 volts LED lamp.

An audible alarm is simply replacing the LED lamp with a buzzer.

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Doppler Night Light		
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